SHORTIA

A NEWSLETTER

OF THE

WESTERN CAROLINA BOTANICAL CLUB

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UNUSUAL BOOGS BOOK

TRANSPLANT PINK LADYSLIPPERSY

CONCERN ABOUT DOGMOODS

PUBLISHED QUARTERLY FOR THE CLUB—

EDITOR - HARVLY KROUSE LITERARY CRITIC - VERNA KROUSE AND SECRETARY Frompted by a copy of an intriguing scientific study of the flore of Bogge Book by botanists from Cleason University, Verma and I visited the location in September 1976.

As a result of this floristic study, conducted principally by youn M. Zhoux For his Master threat, several plants were found that at that time were not in the published literature. These plants are included in the extalegue or checklist be prepared of the flora of the area, which will be referred to blare.

Begin Park, as exactly a firmer enter, is laceted just 1000 Begin Park, as exactly a firmer enter, and thirsty, found forcellar-appreciately || distance release and thirsty, found forcellar-appreciately || distance and thirsty. It consists of an expensive entering of granting games, the surface of which elegen preclainly from a shallow ration to shows the hardward. Here we served extense extense of entire expensive interrupted by smaller areas of entitle cell departs on which were granted by a smaller areas of entitle cell departs on which were granted by a smaller of treats on other repeatable. It is difficult to televation the total area of expende read, but on extinate sight to 10 serves.

The rack surface, of course, is irregular promitting easy shallow beams where rate water and growing media collect. It is in those areas that scose of the usespected plante grow in profusion, principally many species of lithens, nosses, literarcis, nod one speakes of sedum.

As 1 mentioned, we first explored Boggs Soci in September after a principle dry spell. All the colonies of vosces and lithous were completely dehydrated as that footsteps through them sounded like walking on excelsion.

Other than finding the rare and unrecorded <u>Anter writiris</u> and the cestus, <u>Spanis gospress</u>. In flower, it was an unrewarding botanical visit—so much so that I cancelled a scheduled field trip there later that full.

However, the extensive checklist of unusual flora was sufficiently convincing that under mornal weather conditions, Hoggs Sock would be a decidedly interesting place to exclore.

And indeed it is' which we discovered during a scheduled field trip there April 9, 1979, when sixteen Olsh members spent over two hours discovering and identifying zero plants on this ususual rock habitat. Our visit was ofter a very wat spell,

Syrhays the nest presents plants were the great masses of lichest and mosses. Not being at all sequatated betanically vitto these Thillegaptes and Ebryophytes (mos-flowering plants), I heatsate to mention their names with parkays, the exception of pick earth, beard, reinders lichem, and the cubilton moss.

gut for those informed—what a field day it would be! Selieve it or not, the check sheet limits 24 species of lichems and 15 species of momens.

The nest colorful ombitts were compact patches of <u>deten Smillit</u> greeding in the shallow water-filled beaton at versious places on the rock surface. The leaves of this tup plant were brick red and their insignificant white flowers were about ready to open. Separate groups wadering about the rock earlier patch; into surrounding vegetation uncovered most other interesting plants.

Virginia juniper, the dominant evergreen, grows poorly presenting a half-alive appearance, and is energeted with lictors. It probably suffers from being in shellow soil during the dry seasons. The codes, Spatis compress, was just beginning to presure was lest engenest from last year's levers. In exercised violet, Their sections for fire flower, which species, incidentily, in our incident in the otherwise reliable deadlist. There was a species of golden regreat not electric reliable deadlist. There was a species of golden regreat not electric for a weep jumping to protect on any angle of the complexes, but cheefing different in last energy control complexes, but cheefing different in last energy control complexes, but cheefing different in last energy control complexes, but cheefing different in last energy control.

TRANSPLANT PINK LADYBLIPTERST

First and forecost, we all should know better than to recove any of our native crailed from their natural mabitate. But those who may have innocently dug them from the words or have bought them from market vendors may wonder may thay didn't curview, essentially the Fink Ladwijsteer.

There is a Sefficial research [1] is due to the Uniqui stateSponious of symbols, increase in sich Cange and the errist. Found in the decaying argument states of the forest filter are parameter faugh, the threads or openition of minimization that are made to exhibit structure of the experiment of minimization of the similar that the errors of the injustified of this infinition by the faught, the roots of the injustified of this infinition by the faught, the roots of the injustice of the infinite infinite or the structures are called operating column-chapts; minimization. These structures are called operating column-chapts; minimization of the called operating column-chapts; minimization of the called operating column-chapts.

What are the mutual sérmetages? The fungum obtains food substance such as magars and starthes produced only by the plant. The plant obtains besic elements such as sittenges not phosphorous which are released from the decomposition of the forest house secelerated by the action of the fungua. Dony ornolds are unable to establishe these elements unless pre-processed by the related fungua.

But May not emulate nature by moving a large chunk of forcest sail with the large vilpager II (and help), not not for long. The reserved horse will seem (in 2 years) be depleted of the necessary organic material for the funger to decompose, the orachid will be absent derictemnamic to greates carbodyries forces for titled, and subtaintial large

> Reference: Symbiosis edited by S. Mark Heary, Volume 1, 1956, Academic Press, New York

GONOERS: ABOUT DOGMOOD

Nest of us were aware that some of the dogwood trees during the flowering meason this year exhibited a rusty appearance and reduced sixe of the "Clowers."

Perhaps you suspected frost action or delayed flowering -- no, it was the result of a dicease known as authrenouse.

For more information I applied to the Copartment of Flont
Fathology at Clesson University. They sent a copy of a short publication
of the North Carolina Extension service from which I am quoting:

"During recent years the health and beauty of our State Plower-the finearing degreed—has been desepted by spot enthromose (on-three/nos). Dannge, sapscially in ormanental plantings, has been reported in many orces. Eatth recently no satisfactory control measures were "Spot anthraneous is a discose caused by a parasitic fungue (Sinkeno corni). Plower broate and foliage are seriously disfigured miding the trees unsightly. Scortings Plower bude may be so budy discosed that they mover open. If the discose is not checked trees are finally so budly weakconed that flowers and foliage become agents. Continued misset infestion may result in deal trigs.

"The disease causes spots (lesions) on flower bracts, leaves, young shoots, and begries. A single flower breat may at first hive a single spot or many spots. The disease agreeds over the bracts after the flower opens. Many spots give uply, misshapes blossogs.

"Young shoots have circular or elemented seebby spots (lectors) with reddish or purple margins. Discused shoots infect next year's growth."

There is nothing we can do about the disease that infects our native trees, but we are able to control the disease on our conecticated dormore.

A thorough and timely spray progres suct be followed:

lat application In March, when flower buds are first buginning to open and are in the "cup" stage. 2nd application As seen as bracts have falled.

3rd application About 4 weeks after 2nd application.
4th application in late summer after the flower buds
for next season's bloom are well formed.

These spray caterials are effective:

Capton 50V - 2 lbs/100 gallons water Kameb - 1g lbs/100 gallons water

In the September issue of SHORTLA, among other articles, a

resume of our spring and summer field trips will be published. Comments given to me by the trip leaders will be most appreciated.

Harvey Krouse